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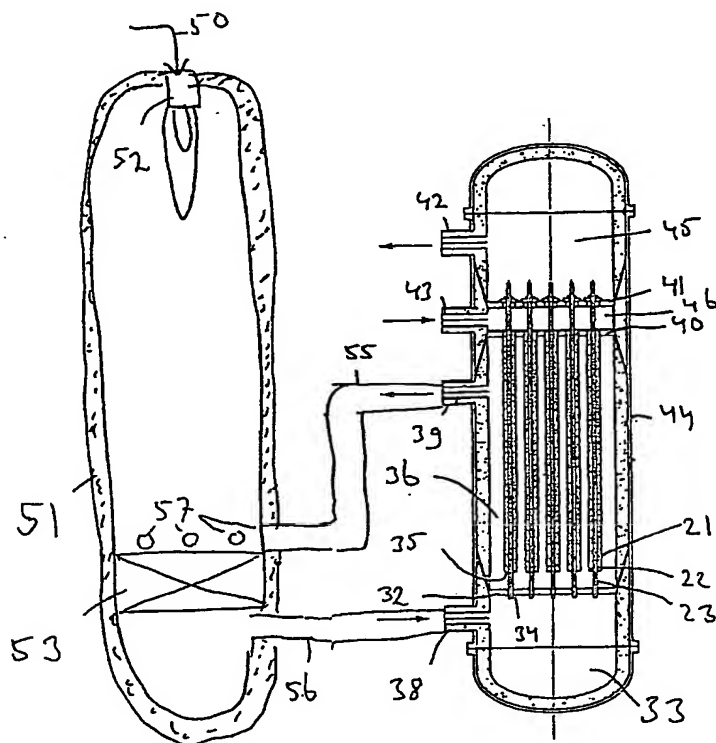
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(54) Title: PROCESS TO PREPARE SYNTHESIS GAS



(57) Abstract: Process for the preparation of hydrogen and carbon monoxide containing gas from a carbonaceous feedstock by performing the following steps: (a) partial oxidation of a carbonaceous feedstock in a vertically oriented tubular partial oxidation reactor (51) vessel comprising a burner (52) at its upper end thereby obtaining a first gaseous product of hydrogen and carbon monoxide, (b) catalytic steam reforming a carbonaceous feedstock in the presence of steam in a Convective Steam Reformer Zone (44) thereby obtaining a steam reformer product, (c) reducing the temperature of the first gaseous product of step (a) by mixing this product with the steam reformer product of step (b) (57), (d) contacting the mixture obtained in step (c) with a post reforming catalyst (53), and (e) providing the required heat for the convective steam reforming reaction zone in step (b) by convective heat exchange between the mixture obtained in step (d) and the steam reformer reactor zone thereby obtaining a hydrogen and carbon monoxide containing gas having a reduced temperature.

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